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	Application No.	Applicant(s)	1,00
Notice of Allowability	09/815,670 Examiner	YOSHIDA ET AL. Art Unit	<u> </u>
	Quyen P. Leung	2828	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31	pears on the cover sheet with S (OR REMAINS) CLOSED in Si) or other appropriate communication is s	th the correspondence addition this application. If not include unication will be mailed in due	led course. THIS
1. This communication is responsive to 10/25/2004.			
2. ☑ The allowed claim(s) is/are <u>1,5,9,13 and 30</u> .			
3. \boxtimes The drawings filed on <u>23 March 2001</u> are accepted by the	Examiner.		
4. Acknowledgment is made of a claim for foreign priority L a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Certified copies of the priority documents have 3. Certified copies of the priority documents have 3. Certified copies of the priority documents have 4. Certified copies of the priority documents have 5. Certified copies not received: 6. Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONITHIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 7. A SUBSTITUTE OATH OR DECLARATION must be submined in the priority of the paper No. /Mail Date	re been received. re been received in Application occuments have been received. re of this communication to file MENT of this application. rest be submitted. reson's Patent Drawing Review. res Amendment / Comment or 1.84(c)) should be written on the the header according to 37 CFI posit of BIOLOGICAL MATE	n No If in this national stage application this national stage application this national stage application the result of the control of the drawings in the front (not the R 1.121(d).	quirements NOTICE OF
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Su Paper No./I 08), 7. ⊠ Examiner's A	formal Patent Application (PTo Immary (PTO-413), Mail Date Amendment/Comment Statement of Reasons for Allo	

Application/Control Number: 09/815,670

Art Unit: 2828

EXAMINER'S AMENDMENT

1. In response to applicant's amendment after notice of appeal filed 10/25/2004, claims 25-29 have been canceled. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

- In claim 1 line 10 "strip" has been changed to –stripe—for proper antecedent basis.
- In claim 9 line 10 "strip" has been changed to –stripe—for proper antecedent basis.
- In claim 30 line 7 "strip" has been changed to –stripe—for proper antecedent basis.
- 2. The following is an examiner's statement of reasons for allowance:

Claims 1 and 5 are allowed mainly because the cited prior art do not teach or fairly suggest a ridge stripe Group III-nitride semiconductor laser comprising a current injection width between 1 micron and 3 microns, inclusively, a <u>non-zero</u> combined thickness (0.2 microns or less) of AlGaN layer(s), which are located between the current blocking layer and the active layer and have an AlN molar concentration between 0.3 and 1, inclusively.

Claims 9, 13 and 30 are allowed mainly because the cited prior art do not teach or fairly suggest a ridge stripe Group III-nitride semiconductor laser comprising <u>a non-zero</u> combined thickness (0.2 microns or less) of AlGaN layer(s), which are located between the current blocking layer and the active layer and have an AlN molar concentration between 0.15 and 0.30, inclusively.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quyen P. Leung whose telephone number is (571)272-1943. The examiner can normally be reached on 8-4:30, M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Minsun Harvey can be reached on (571)272-1835. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2828

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Quyen P. Leung Primary Examiner Art Unit 2828

QPL